TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o.
BUILDING TESTING AND RESEARCH INSTITUTE, Slovak Republic
Studená 3, 821 04 Bratislava

CONFIRMATION

Application registered S04/11/0228/2703

on

INITIAL TYPE TESTING

carried out pursuant to Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products as amended by Council Directive 93/68/EEC of 22 July 1993

Product: PVC-U windows and French windows

System: DECCO 70

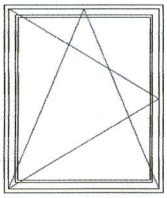
System supplier: Zakłady Produkcyjno-Usługowe Kazimierz Janik Zakład Decco Polska, ul. V Poprzeczna 15, 04-611 Warszawa, POLAND

Manufacturer: Zakłady Produkcyjno-Usługowe Kazimierz Janik Zakład Decco Polska, ul. V Poprzeczna 15, 04-611 Warszawa, POLAND

Factory: ul. V Poprzeczna 15, 04-611 Warszawa, POLAND

Product standard: EN 14351-1: 2006+A1:2010 Windows and doors. Product standard, performance characteristics. Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics

Intended use of the product: The product is intended for closing passage opening in external walls of buildings. Type of infill has to respect requirements of design codes particularly in acoustic and thermal performance.

Sample	Characteristic	Declared value	Calculation standard	Range of application
 Dimensions (B x H): 1.230 m x 1.480 m	Acoustic performance	IGU with R_w [C;C_{tr}] = 29 [-1;-5] dB **$R_w(C,C_{tr})$ = 32 (-1;-5) dB** IGU with R_w [C;C_{tr}] = 32 [-1;-5] dB **$R_w(C,C_{tr})$ = 34 (-1;-5) dB**	EN 14351-1+A1:2010	Overall area ≤ 2,7 m^2
	Thermal transmittance	IGU: Ug=1,1 W/(m2K), spacer–aluminium **U_w = 1,3 W/(m^2K)** IGU: Ug=1,1 W/(m2K), spacer–SWISSPACER V **U_w = 1,2 W/(m^2K)** IGU: Ug=1,0 W/(m2K), spacer–aluminium **U_w = 1,3 W/(m^2K)** IGU: Ug=1,0 W/(m2K), spacer–SWISSPACER V **U_w = 1,2 W/(m^2K)** IGU: Ug=0,7 W/(m2K), spacer–aluminium **U_w = 1,1 W/(m^2K)** IGU: Ug=0,7 W/(m2K), spacer–SWISSPACER V **U_w = 0,96 W/(m^2K)** IGU: Ug=0,6 W/(m2K), spacer –aluminium **U_w = 1,0 W/(m^2K)** IGU: Ug=0,6 W/(m2K), spacer–SWISSPACER V **U_w = 0,89 W/(m^2K)** IGU: Ug=0,5 W/(m2K), spacer–aluminium **U_w = 0,93 W/(m^2K)** IGU: Ug=0,5 W/(m2K), spacer–SWISSPACER V **U_w = 0,82 W/(m^2K)**	EN ISO 10077-1	Overall area ≤ 2,3 m^2 -
		the lowest internal surface temperature Θ_{si} =10,21°C for Θ_{ap} = 21°C, Θ_e =-15°C, φ_i = 50% the lowest internal surface temperature factor: **f_{Rsi} =0,700 ≤ f_{RsiN} =0,700**	EN ISO 10077-2 ČSN 730540-2	

Note 1: Characteristics in competence of a notified laboratory are marked (NB).
Note 2: This confirmation is valid only with the above indicated test report 40110229-1, 40110229-2, 40-11-0229-3.

In Nitra, 25.10.2011

Daša Kozáková
Head of NB 1301
representing
Ladislav Lósy
Director of Branch office Nitra

Technický a skúšobný ústav stavebný, n. o. - 4 - Notifikovaná osoba 1301